

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	October 14, 2020
Location:	Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Wednesday
Project #:	AECOM: 6061487	Report No:	179
Contractor:	Ludlow Construction	Page:	1 of 10

Weather Conditions

Conditions: Daylight hours: partly sunny. Winds variable 0-6 mph.
 Temperature (°F): High 70°F Low 48F

Contractors & Subcontractors Workforce							Equipment in Use						
Trade	#	x	hrs	Trade	#	x	hrs	Type	#	x	hrs		
USACE				Ludlow Construction				Concrete/Asphalt Road Saw	0	x	8		
Field Engineer	1	x	8	Superintendent	1	x	8	Dump truck	0	x	8		
				Safety Officer	1	x	8	Excavator – Large	0	x	8		
				Foreman	1	x	8	Excavator - Mid-Size	0	x	8		
				Dump truck Operator	4	x	8	Excavator - Rubber Wheeled – Rock	0	x	8		
				Excavator Operator	1	x	8	Skid Steer / Bucket Loader	0	x	8		
				Skid Steer/Bucket Loader	1	x	8	Rolling Compactor	0	x	8		
				Laborers	6	X	8	Plate Compactor	0	x	8		
				Note that some persons				Jumping Jack Compactor	0	x	8		
DN Tanks				Multiple pieces equipment.				Street Sweeper (Broce Broom)	0	x	8		
Superintendent	1	x	8					Material Hopper	0	x	8		
Laborers	5	x	8	Sub-contractor	3	X	8	Pipe saw	0	x	8		
				Municipal Police Detail	0	X	8	Light Tower	0	x	8		
				State Police Detail	0	X	8						

Visitors: None.

Pipe Connections, Installations, and Other Work

DN Tanks continued placing prestressed wire around the exterior of the water tank, placed a stress plate around one of the two manways on the side of the water tank, constructed forms for two 1' x3' steps associated with the MC6 channel platform frames, and continued general housekeeping.

Ludlow excavated and paved trench cutbacks on Main Street, Durham from Stations 164+25 to 167+30.

Compaction Testing

Soil compaction testing was performed today. Compaction test data for the project can be found here:

<https://www.nae.usace.army.mil/Portals/74/docs/Topics/DurhamMeadowsWaterline/CompactionTests/>

In addition, soil compaction data is presented in the Contractor Daily Quality Control Reports located here:

<https://www.nae.usace.army.mil/Missions/Projects-Topics/Durham-Meadows-Water-Lines-Project/>

Res. Representative: J. Meunier Date: 10/14/20

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Contractor:	Ludlow Construction	Page:	2 of 10

Daily Activities – water tank construction, Shared Access Driveway, Middletown

DN Tanks continued placing prestressed wire around the exterior of the water tank, placed a stress plate around one of the two manways on the side of the water tank, constructed forms for two 1' x3' steps associated with the MC6 channel platform frames, and continued general housekeeping.

0759: DN Tanks is setting up to continue wrapping prestressed wire around the exterior of the tank. They are currently having a hard time getting the engine on the wire wrapping cart started.

0945: DN Tanks is moving materials out of the interior of the water tank. They currently have both manways on the sides of the tank open.

0948: DN Tanks is still trying to start the engine on the wire wrapping cart at the water tank work zone located east of the Shared Access Driveway, Middletown.

1054: DN Tanks has wound additional prestressed wire on the lower 15" of the water tank exterior where it meets the tank base.

1147: DN Tanks is constructing forms for the two 1' x3' concrete steps identified on sheet 29A, Drawing #20.00 of the DN Tanks tank specifications. The steps are associated with the MC6 channel platform frames that will be placed in the interior of the water tank. DN Tanks continues to work inside of the water tank.

1254: DN Tanks continues to construct forms for the two concrete steps identified on Drawing #20 of the tank specifications. DN Tanks states that they are expecting a load of shotcrete today to apply to the water tank exterior.

1352: DN Tanks has placed additional wire around the exterior the water tank near the base. They are currently working on placing a stress plate around the manway located on the west side of the tank. DN Tanks stated that a similar stress plate will be placed on the manway located on the east side of the water tank tomorrow morning.

Daily Activities – Permanent paving of trench cutbacks, Main Street, Durham

Ludlow excavated and paved trench cutbacks on Main Street, Durham from Stations 164+25 to 167+30.

0820: Ludlow is stripping asphalt for trench overcuts on the southbound lane of Main Street, starting at the intersection of Route 147 and Main Street, moving south on Main Street. Traffic management is being provided by two flaggers and one Ludlow labor.

1025: Ludlow is almost finished stripping pavement on trench overcuts between Stations 164+25 to 167+30 on the southbound lane of Main Street, Durham.

1131: Ludlow has removed pavement on the trench overcuts between Stations 164+25 to 167+30 on the southbound lane of Main Street, Durham. Ludlow has just started applying the first lift of asphalt moving north to south on the southbound lane of Main Street, Durham. JTC is present to collect compaction data once the asphalt has been placed, compacted, and has cooled to 180°.

1224: Ludlow is close to finishing with the placement and compaction of the second of three 3" lifts of asphalt between Stations 164+25 to 167+30 on the southbound lane of Main Street, Durham.

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Project #:	AECOM: 6061487	Report No:	179
Contractor:	Ludlow Construction	Page:	3 of 10

1346: Ludlow is placing a third 3" lift of asphalt between Stations 164+25 to 167+30 on the southbound lane of Main Street, Durham.

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Project #:	AECOM: 6061487	Report No:	179
Contractor:	Ludlow Construction	Page:	4 of 10



Picture 1: Ludlow excavating pavement on the trench overcuts for permanent paving on the southbound lane of Main Street, Durham, between Stations 164+25 to 167+30. View to the west.

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	October 14, 2020
Location:	Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Wednesday
Project #:	AECOM: 6061487	Report No:	179
Contractor:	Ludlow Construction	Page:	5 of 10



Picture 2: Ludlow grading 1.5" processed gravel as part of trench overcut permanent paving activities on the southbound lane of Main Street, Durham, between Stations 164+25 to 167+30. View to the south.

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	October 14, 2020
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Project #:	AECOM: 6061487	Report No:	179
Contractor:	Ludlow Construction	Page:	6 of 10



Picture 3: Tack coat that Ludlow has applied to the edge of cut pavement on the trench overcuts for permanent paving on the southbound lane of Main Street, Durham, between Stations 164+25 to 167+30.

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	October 14, 2020
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Project #:	AECOM: 6061487	Report No:	179
Contractor:	Ludlow Construction	Page:	7 of 10



Picture 4: Pavement stripped back between Stations 164+25 to 167+30 as part of trench overcut permanent paving activities on the southbound lane of Main Street, Durham, between. View to the north.

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	October 14, 2020
Location:	Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Wednesday
Project #:	AECOM: 6061487	Report No:	179
Contractor:	Ludlow Construction	Page:	8 of 10



Picture 5: Ludlow placing the first of three 3" lifts on the southbound lane of Main Street, Durham between Stations 164+25 to 167+30. View to the south.

Daily Report

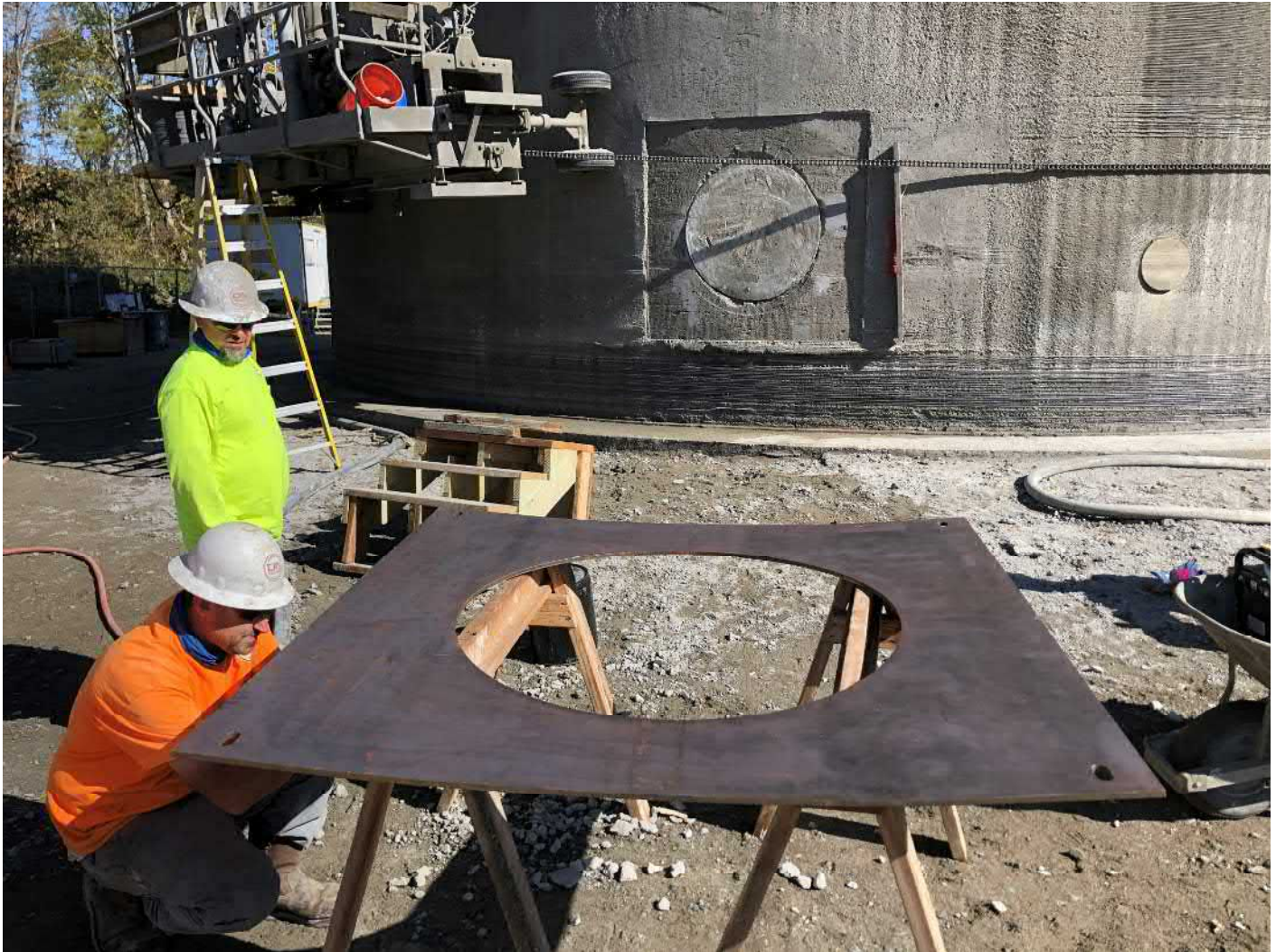
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Project #:	AECOM: 6061487	Report No:	179
Contractor:	Ludlow Construction	Page:	9 of 10



Picture 6: Ludlow placing the third of three 3" lifts on the southbound lane of Main Street, Durham between Stations 164+25 to 167+30. View to the southeast.

Daily Report

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Contractor:	Ludlow Construction	Page:	10 of 10



Picture 7: Stress plate that DN Tanks is preparing to place around one of the two manways of the water tank. Water tank work zone located east of the Shared Access Driveway, Middletown. View to the east.